Index of Claims

| Application No.       | Applicant(s)      |
|-----------------------|-------------------|
| 09/734,752            | WARRINGTON ET AL. |
| Examiner              | Art Unit          |
| Alexander H. Spiegler | 1637              |

✓ Rejected
 – (Through numeral)
 Cancelled

 ÷ Restricted

N Non-Elected

I Interference

A Appeal
O Objected

| Cla      | laim Date      |                |              |                                     |          |                |              |              |               | Claim    |         |       | Date        |         |          |                 |          |          |                | Claim   |          |          | Date       |          |               |          |          |          |          |               |          |          |
|----------|----------------|----------------|--------------|-------------------------------------|----------|----------------|--------------|--------------|---------------|----------|---------|-------|-------------|---------|----------|-----------------|----------|----------|----------------|---------|----------|----------|------------|----------|---------------|----------|----------|----------|----------|---------------|----------|----------|
|          | - <del>-</del> | 4              |              |                                     |          |                | Г            |              |               |          |         |       | <del></del> |         |          |                 |          |          |                |         |          |          |            |          |               |          |          |          |          |               |          |          |
| Final    | Original       | 11/17/04       |              |                                     |          |                |              |              |               |          |         | Final | Original    |         |          |                 | - 1      |          |                |         |          | Final    | Original   |          |               |          |          |          |          |               |          |          |
| 這        | E              | 7              |              |                                     |          |                |              |              |               |          |         | 這     | Öri         |         |          |                 | - 1      |          |                |         | į        | 這        | Ξ̈́        |          |               |          |          |          |          |               |          |          |
|          |                | -              |              | ٠                                   |          |                |              |              |               |          |         |       |             |         | <u> </u> |                 |          |          |                | # 100 m |          |          |            | ŀ        |               |          |          |          |          |               |          |          |
|          | ħ              |                |              |                                     |          |                |              |              |               |          |         |       | 51          |         |          |                 |          |          |                |         |          |          | 101        |          |               |          |          |          |          |               | $\Box$   |          |
|          | 2              |                |              |                                     |          |                |              |              |               |          |         |       | 52          |         |          |                 |          |          |                |         |          |          | 102        |          | _             |          |          |          |          |               |          | _        |
|          | 3              |                |              |                                     |          |                |              |              |               |          | W-100   |       | 53          |         |          |                 |          |          |                |         |          |          | 103        |          |               |          |          |          |          | $\Box$        |          |          |
|          | 4              |                |              |                                     |          |                |              |              |               |          |         |       | 54          |         |          |                 |          |          |                |         | L        |          | 104        |          |               |          |          |          |          |               |          |          |
|          | 5              |                |              |                                     |          |                |              |              |               |          |         |       | 55          |         |          |                 |          |          |                |         | L        |          | 105        |          | _             |          |          |          |          | _             |          |          |
|          | 6              |                |              |                                     |          |                |              |              | L             |          |         |       | 56          |         |          |                 |          |          |                |         | L        |          | 106        |          |               |          |          |          |          |               |          |          |
|          | 7              | L              | L            | _                                   |          |                | L            |              | Ш             |          |         |       | 57          |         |          |                 |          |          |                | 171416  | L        |          | 107        |          | _             | _        |          | _        |          | _             | _        |          |
|          | 8              |                |              | /                                   | <u>L</u> |                | L            |              | Ш             |          |         |       | 58          |         |          | Ш               |          | _ _      | <u> </u>       | _       | L        |          | 108        | _        | _             | _        |          |          |          | _             | _        | _        |
|          | 9              |                |              |                                     | <u> </u> |                |              |              |               | _        |         |       | 59          | _       |          |                 | $\dashv$ |          |                |         | L        |          | 109        |          |               |          |          |          |          |               | _        | _        |
| 1        | 10             | =              | _            |                                     |          |                |              |              |               |          |         |       | 60          |         |          |                 |          | _ _      |                |         | L        |          | 110        |          |               | _        |          |          |          | _             | _        | _        |
| <u></u>  | 1/1<br>12      | _              | _            | _                                   |          | 1_             | <u> </u>     | $\perp$      | Ш             |          |         |       | 61          |         |          | Ш               |          |          | 1_             |         | L        |          | 111        |          | _             |          |          |          |          | $\perp$       |          | _        |
|          |                | L_             | _            | <u> </u>                            | ļ        | $\perp$        | <u> </u>     | $oxed{oxed}$ | Ш             |          |         |       | 62          |         | $\perp$  | Ш               | $\perp$  | _ _      |                |         | L        | _        | 112        | _1       | _             |          |          | _        |          | _             |          | _        |
| <u></u>  | 13             | <u> </u>       | _            | L                                   | _        | 1              | <u> </u>     | $\vdash$     |               |          |         |       | 63          | $\perp$ | 1        | $\sqcup$        | _        | _ _      | $\sqcup \bot$  |         | L        | _        | 113        |          | $\perp$       |          |          |          |          |               | ļ        | _        |
|          | 14             | L              | <u> </u>     | _                                   |          | _              | ļ            |              | Ш             |          |         |       | 64          | $\perp$ | $\perp$  | Ш               | $\dashv$ | _ļ_      |                | _       | L        |          | 114        |          | ightharpoonup | _        |          |          |          | ightharpoonup |          | _        |
|          | 15             | <u> </u>       | <u> </u>     |                                     |          |                |              | $oxed{oxed}$ |               |          |         |       | 65          | $\perp$ | _        | Ш               | _        | 4_       |                | 4       | L        | _        | 115        | _        | _             | _        |          |          | _        | $\dashv$      | _        | _        |
| <u></u>  | 16             | <u> </u>       | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | $\perp$        | $\perp$      | Ш            | Ш             | _        |         |       | 66          | $\perp$ | 1        | Ш               | _        | Щ.       | <u> </u>       |         | L        | _        | 116        | _        | _             | _        |          |          | _        | $\dashv$      | _        | _        |
|          | 17             | <u> </u>       | L            | ļ                                   | ļ        | 1_             | <u> </u>     | L            |               |          |         |       | 67          |         | 1-       | $\sqcup$        | $\dashv$ |          | $\sqcup$       |         | L        |          | 117        | _        | $\perp$       | _        |          |          | _        | $\dashv$      | _        | _        |
|          | 18             |                |              |                                     | ļ        | ļ              | L            |              |               |          |         |       | 68          | _       |          | $\sqcup$        | _        |          |                |         | L        | _        | 118        |          | $\rightarrow$ |          |          | `        | _        | _             |          |          |
|          | 19             |                |              | _                                   | L        | _              | <u> </u>     | ļ            |               |          |         |       | 69          |         |          |                 | _        |          |                |         | L.       |          | 119        | _        |               |          |          |          | _        | 4             | _        | _        |
|          | 20             | L_             |              | L_                                  | ╙        | ╙              |              |              |               |          |         |       | 70          |         | 1        |                 |          |          | Щ              |         | L        | _        | 120        | _        |               |          |          |          |          | _             |          |          |
|          | 21             |                | _            | _                                   | <u> </u> | ļ              | <u> </u>     | ļ            |               |          |         |       | 71          |         | 1_       |                 | _        |          |                |         | L        | _        | 121        |          | _             | _        | _        |          | _        | _             | _        | ᅴ        |
|          | 22             |                |              |                                     |          |                |              | Ш            |               |          |         |       | 72          | _       | $\perp$  |                 | _        |          |                | _       | L        | _        | 122        | 4        | _             |          | _        |          | $\dashv$ | $\dashv$      |          |          |
|          | 23             | L.             |              | _                                   | _        | _              | ╙            |              | $\sqcup$      |          |         |       | 73          |         | -        | $\Box$          | _        |          | <u> </u>       | _       | L        |          | 123        | _        | 4             |          |          |          | $\dashv$ | $\dashv$      | 4        | 4        |
| <u></u>  | 24             |                |              | _                                   | 1_       |                |              |              | $\sqcup$      |          |         |       | 74          |         | -        | $\sqcup$        | _        |          | $\sqcup \bot$  |         | L        | _        | 124        | _        | 4             | _        | _        | _        | _        | $\dashv$      | $\dashv$ | _        |
|          | 25             |                | _            | _                                   | L        |                |              | L            |               |          |         |       | 75          | _       | 1        | Ш               | 4        | <u> </u> |                |         | L        | -        | 125        | $\dashv$ | -             |          |          |          | 4        | $\dashv$      |          |          |
|          | 26             |                | _            | _                                   |          | ▙              |              | L            | Ш             |          |         |       | 76          |         | 1        |                 | _        | _        |                | _       | L        | _        | 126        | 4        | 4             | _        | ē        | _        | $\dashv$ | $\dashv$      | $\dashv$ | _        |
|          | 27             |                | _            | ļ                                   | <u> </u> | ļ              | ļ            | ļ            | $\vdash$      |          |         |       | 77          | _       | -        |                 | _        | _        | 1              | ******  | L        | _        | 127        | -        | -             | $\dashv$ | $\dashv$ | _        | $\dashv$ | -             | -        |          |
| <u> </u> | 28             |                | <u> </u>     | <u> </u>                            | ┞-       | <del> </del>   | ļ            | ├            | $\vdash$      |          |         |       | 78          | _       | +        |                 |          |          |                |         | L        | $\dashv$ | 128        | -        |               |          | $\dashv$ |          |          | -+            | +        | $\dashv$ |
|          | 29             |                | <u> </u>     | ļ                                   |          | ╀              | ┡            | ⊢            | $\vdash$      |          |         |       | 79          |         |          |                 |          | -        | $\vdash$       | -       | H        | -+       | 129        | 4        | 4             |          | ᅫ        | _        |          | +             | +        | $\dashv$ |
|          | 30             |                |              |                                     | <u> </u> | -              |              |              |               |          |         |       | 80          |         | -        | $\vdash$        | _        |          | <del> </del>   | _       | H        | $\dashv$ | 130        | $\dashv$ | $\dashv$      | -        |          |          | -        | $\dashv$      | +        | $\dashv$ |
| <u> </u> | 31             |                | <u> </u>     | <u> </u>                            | ┞-       |                | ļ. <u>.</u>  | <b> </b> -   |               | -        |         |       | 81          | _       | -        |                 | -+       | $\perp$  |                | -4111   | H        |          | 131        | $\dashv$ | -+            |          |          |          | $\dashv$ | +             | +        | -        |
|          | 32             |                | -            | _                                   | _        | ⊢              | ⊢            | -            |               |          |         |       | 82          | _       |          |                 | -+       |          |                | - 100   | H        | $\dashv$ | 132        | $\dashv$ | +             |          | -        |          |          | +             | +        | $\dashv$ |
|          | 33             | _              | <u> </u>     | <u> </u>                            | ⊢        | $\vdash$       | <del> </del> |              |               |          |         | -     | 83          | +       | +        | $\vdash$        | +        | +        | $\vdash$       | -       | $\vdash$ | $\dashv$ | 133<br>134 | -+       | $\dashv$      |          | -        | _        | - 1      | +             | +        | $\dashv$ |
| <u> </u> | 34<br>35       | <u> </u>       | H            |                                     | $\vdash$ | $\vdash$       | $\vdash$     | H            | $\vdash$      | _        |         |       | 84<br>85    |         | +        | $\mapsto$       | $\dashv$ | +        | +-             | -       | -        | $\dashv$ | 135        | +        | $\dashv$      | $\dashv$ |          |          |          | +             | $\dashv$ | $\dashv$ |
|          | 36             |                |              |                                     | ⊢        | ├              |              | -            | $\vdash$      | _        | -25     |       | 86          | +       | +        | $\vdash \vdash$ | $\dashv$ | $\dashv$ |                | - 1,500 | -        | -+       | 136        | $\dashv$ | $\dashv$      |          | -        |          | -        | +             | +        | $\dashv$ |
|          | 37             | <del> </del>   | -            |                                     | -        | ├-             | -            | -            | $\vdash$      |          |         | -     | 87          | +       | +        | $\mid - \mid$   | $\dashv$ | +        | -              | -       | $\vdash$ |          | 137        | $\dashv$ | $\dashv$      |          | $\dashv$ |          | -        | +             | $\dashv$ | $\dashv$ |
| -        | 38             |                |              |                                     |          | $\vdash$       | -            |              | $\vdash$      | _        |         |       | 88          | +       | +-       |                 | +        | -        | $\vdash$       |         | H        | $\dashv$ | 138        |          | $\dashv$      | ***      | -        |          | -        | $\dashv$      | $\dashv$ | $\dashv$ |
|          | 39             |                |              |                                     | $\vdash$ | <del>  -</del> |              | <del> </del> | $\vdash$      |          |         |       | 89          | +       | +        | $\vdash$        | $\dashv$ | +        | <del>  -</del> | -       | H        | $\dashv$ | 139        | -        | $\dashv$      | $\dashv$ |          |          |          | $\dashv$      | -+       | ᅱ        |
| -        | 40             |                | <del> </del> | -                                   | $\vdash$ | 1              |              |              | $\vdash$      | _        |         | -     | 90          |         | +        | $\vdash$        | -+       | +-       | +              | -1      | $\vdash$ | $\dashv$ | 140        | $\dashv$ | -+            | -        | $\dashv$ |          |          | +             | $\dashv$ | $\dashv$ |
| <u> </u> | 41             |                | -            | $\vdash$                            | $\vdash$ | 1              |              |              | $\vdash$      | _        |         |       | 91          |         | +        | $\vdash$        | $\dashv$ | +        | +              | -       | H        | $\dashv$ | 141        | $\dashv$ | +             |          | $\dashv$ |          | $\dashv$ | +             | $\dashv$ | $\dashv$ |
| <b>—</b> | 42             | <del> </del> - |              | $\vdash$                            | $\vdash$ | H              | $\vdash$     |              | $\vdash$      | $\dashv$ |         |       | 92          | +       | +        | $\vdash$        | $\dashv$ | +-       | +              |         | H        | $\dashv$ | 142        | $\dashv$ | $\dashv$      | -        | $\dashv$ | $\dashv$ | -        | +             | $\dashv$ | $\dashv$ |
| -        | 43             | <u> </u>       | -            |                                     | $\vdash$ | $\vdash$       | $\vdash$     |              |               |          |         |       | 93          | -+-     | +-       | $\vdash$        | $\dashv$ | -        | ++             | -       | H        | -+       | 143        | -+       | $\dashv$      | -        |          | _        | $\dashv$ | +             | -+       | $\dashv$ |
|          | 44             |                |              | $\vdash$                            | $\vdash$ | 1              | $\vdash$     | H            | $\vdash$      | -        |         |       | 94          |         | +        |                 | $\dashv$ | +        | +              | -       | H        | $\dashv$ | 144        | $\dashv$ | -+            |          |          | -        |          | -+            | $\dashv$ | $\dashv$ |
|          | 45             | -              |              | $\vdash$                            | $\vdash$ | +              | $\vdash$     |              | $\vdash$      |          |         |       | 95          |         | +        | $\vdash$        | -+       | $\dashv$ | ++             | -       | H        | $\dashv$ | 145        | -        | $\dashv$      |          |          | -        |          | $\dashv$      | $\dashv$ | $\dashv$ |
| <u> </u> | 46             | -              |              |                                     |          |                | <del> </del> |              | $\vdash$      | $\dashv$ |         |       | 96          | -       | +-       | $\vdash$        | $\dashv$ | +        | ++             | +       | H        | $\dashv$ | 146        | $\dashv$ | -+            | -        | $\dashv$ | -        |          | -+            | +        | $\dashv$ |
|          | 47             | -              |              | <u> </u>                            | $\vdash$ | -              | $\vdash$     |              | $\vdash$      | $\dashv$ |         | 257   | 97          |         | -        | $\vdash \vdash$ | $\dashv$ | - -      | ++             | -       | $\vdash$ | $\dashv$ | 147        | $\dashv$ | $\dashv$      | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
|          | 48             |                | <del> </del> | <u> </u>                            | ├—       | $\vdash$       | $\vdash$     | $\vdash$     | $\vdash$      | $\dashv$ |         |       | 98          | +       | +        | $\vdash$        | $\dashv$ | +        | +-+-           | -       | $\vdash$ | $\dashv$ | 148        | $\dashv$ | $\dashv$      | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
| -        | 49             |                | <del> </del> | -                                   | $\vdash$ | +              | ├            |              |               | $\dashv$ |         |       | 99          |         | +-       | $\vdash$        | $\dashv$ | +        | <del>  -</del> | -       | -        | $\dashv$ | 149        | $\dashv$ | $\dashv$      | $\dashv$ | -        | -        |          | $\dashv$      | $\dashv$ |          |
| $\vdash$ | 50             |                | <del> </del> | Ι                                   | $\vdash$ | <del> </del>   | Η            | $\vdash$     | $\vdash$      | $\dashv$ |         |       | 100         |         | +        | $\vdash$        | $\dashv$ |          | +              |         | -        | $\dashv$ | 150        | $\dashv$ | $\dashv$      | $\dashv$ |          | $\dashv$ | $\dashv$ | +             | -+       | $\dashv$ |
| L        | JU             |                | <u> </u>     | Ш.                                  | <u> </u> | 1              | L            | Ц.           | $\perp \perp$ |          | Lillia. |       | 100         |         | L        | بلب             |          |          |                | -       | L        |          | 100        |          | L             |          |          |          |          | ㅗ             |          |          |